

**General information**

Wellbore name	2/2-6
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/2-6
Seismic location	inline 6460 & crossline 20720(Survey # VGCSN06NQ2PSDM)
Production licence	332
Drilling operator	Talisman Energy Norge AS
Drill permit	1301-L
Drilling facility	MÆRSK GUARDIAN
Drilling days	49
Entered date	27.03.2010
Completed date	14.05.2010
Release date	14.05.2012
Publication date	14.05.2012
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	42.4
Water depth [m]	63.8
Total depth (MD) [m RKB]	4105.0
Final vertical depth (TVD) [m RKB]	4104.3
Maximum inclination [°]	5.3
Oldest penetrated age	LATE JURASSIC
Oldest penetrated formation	FARSUND FM
Geodetic datum	ED50
NS degrees	56° 48' 17.52" N
EW degrees	3° 26' 7.49" E
NS UTM [m]	6295890.12
EW UTM [m]	526589.96
UTM zone	31
NPDID wellbore	6346



Wellbore history

General

Well 2/2-6 was drilled on the Optimus prospect in the northern part of the Steinbit Terrace in the southern North Sea. The Optimus Prospect is a stratigraphic pinch-out trap on the southern margin of an intra-terrace basin. The primary objectives were the J66 and J62 sandstone sequences of the Late Jurassic Ula formation. These sandstones were penetrated in 2/2-5, with 5 m of net pay oil near the interval base. Sandstone of the J62 interval was penetrated in 2/2-1, with 14 m of net pay oil near the interval base. TD depth was planned 500 m below BCU, above the top Triassic.

Operations and results

Wildcat well 2/2-6 was spudded with the jack-up installation Mærsk Guardian on 27 March 2010. It was plugged back with TOC at 440 m due to lost BHA in the hole after a twist-off. Technical sidetrack 2/2-6 T2 commenced on 6 April 2010 and drilled to a TD of 4105 m in the Late Jurassic Farsund Formation. The well was drilled with seawater down to 216 m, with KCl/GEM mud from 216 m to 1001 m, and with ENVIROMUL oil based mud from 1001 m to TD.

A 3 m thick drape of Mandal Formation was penetrated at 3585 m. No Ula Formation reservoir was present at the drilled location. The targets J66 and J62 were penetrated but contained no reservoir quality sands (mainly siltstones with a few sand stringers assigned to the Farsund Formation). No live hydrocarbons were encountered and no shows were observed.

No cores were cut. No wire line logs were run hence no down-hole fluid samples were taken.

The well was permanently abandoned on 14 May 2010 as a dry well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
230.00	1180.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
106	NORDLAND GP
1765	HORDALAND GP
2302	VADE FM
2319	NO FORMAL NAME
2860	ROGALAND GP
2860	BALDER FM
2898	SELE FM
2946	LISTA FM
2964	VÅLE FM
3016	SHETLAND GP
3016	EKOFISK FM
3094	TOR FM
3436	HOD FM
3486	CROMER KNOLL GP
3486	UNDIFFERENTIATED
3500	TUXEN FM
3503	ÅSGARD FM
3585	TYNE GP
3585	MANDAL FM
3588	FARSUND FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - DIR	106	216
MWD - GR RES DIR	216	1196

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
CONDUCTOR	30	206.0	36	216.0	0.00	LOT
SURF.COND.	13 3/8	994.5	17 1/2	1001.0	1.81	LOT
INTERM.	9 5/8	3181.0	12 1/4	3189.0	1.85	LOT
OPEN HOLE		4105.0	8 1/2	4105.0	0.00	LOT

**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
216	1.10	22.0		KCL/GEM	
570	1.16	31.0		KCL/GEM	
955	1.21	23.0		KCL/GEM	
1001	1.22	26.0		GEM/Polymer	
1001	1.58	40.0		ENVIROMUL	
1001	1.22	24.0		KCL/GEM	
1045	1.59	45.0		ENVIROMUL	
1196	1.21	22.0		KCL/GEM	
1196	1.20	19.0		KCL/GEM	
2301	1.64	40.0		ENVIROMUL	
3494	1.57	34.0		ENVIROMUL	
4105	1.02	1.0		Seawater	
4105	1.57	37.0		ENVIROMUL	